

## ABSTRACT

### OSCILLATOR ARRANGEMENT FOR FREQUENCY MODULATION

The present invention pertains to an oscillator arrangement for carrying out a frequency modulation process, wherein an oscillator (1) with automatic amplitude control (5, 6, 7) is provided. The shift keying is not realized with reconnectable capacitances in the oscillator (1) that determine its oscillator frequency, but rather by suitably influencing (6) the feed current of the oscillator in dependence on the modulation signal (FSK), namely with the aid of the amplitude control (5, 6, 7). Undesirable charge injections do not occur in the proposed oscillator arrangement because reconnectable capacitances are no longer required for achieving the desired frequency deviation.

Figure 1